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The correct authorship of the genus *Hypomyces* and its original species

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Abstract — Historically, the abbreviation 'Tul.' was used indiscriminately to indicate authorship by L.-R. Tulasne as sole author and by L.-R. & C. Tulasne as joint authors. This ambiguity continues to result in misattribution of many names for which the author has previously been designated as 'Tul.', for example the genus *Hypomyces*. Linguistic analysis of numerous papers published by the Tulasne brothers confirms that they were joint authors of the protologue of the genus *Hypomyces* and its original 18 species. Therefore, using modern standard botanical author abbreviations, these names should be attributed to 'Tul. & C.Tul.', and not to 'Tul.'

Key words — nomenclature, Nees, Saccardo, Sydow, *Hypomyces lactifluorum*

Introduction

In the past, authors of taxonomic names have frequently been indicated by a miscellany of non-standardised—and often ambiguous—abbreviations. The publication of a comprehensive list of unambiguous standard botanical author abbreviations by Brummitt & Powell (1992) consolidated and expanded several previous partial lists, and the IPNI Authors website (IPNI 2009) continues to update the list. Nevertheless, there is still potential for error when the old ambiguous abbreviations are interpreted uncritically as if they were modern standard author abbreviations.

Old abbreviations that are particularly prone to misinterpretation are those in which the same abbreviation was used to indicate different family members, either singly or jointly. Four frequently encountered mycological examples (with modern standard author abbreviations in square brackets) are:

'**Nees**'—to indicate either Christian Nees von Esenbeck ['Nees'], or his brother Theodor Nees von Esenbeck ['T.Nees'], or both ['Nees & T.Nees'];

'**Sacc.**'—to indicate Pier Andrea Saccardo either alone ['Sacc.'] or with his son Domenico Saccardo as co-author ['Sacc. & D.Sacc.'];

'**Syd.**'—to indicate either Hans Sydow ['Syd.'], or his father Paul Sydow ['P.Syd.'], or both ['Syd. & P.Syd.' and 'P.Syd. & Syd.']; and

'**Tul.**'—to indicate Louis-René Tulasne either alone ['Tul.'] or with his brother Charles Tulasne as co-author ['Tul. & C.Tul.'].

The correct interpretation of each occurrence of such ambiguous abbreviations can be ascertained only by scrutiny of the original publication.

The authorship of the genus *Hypomyces* and its original species has long been subject to this type of misinterpretation. Kirk et al. (2001: 250; 2008: 334) and the Index Fungorum (2009), MycoBank (2009), and ING (2009) websites all cite the genus as '*Hypomyces* (Fr.) Tul. 1860' (or an equivalent). The *Hypomyces* protologue publication, Tulasne & Tulasne (1860), is sometimes correctly cited in websites and reference works, but more often miscited as 'Tulasne (1860)' [e.g., Lindau & Sydow (1909: 671) combined Tulasne (1860) and Tulasne & Tulasne (1860) into a single entry, as if they were duplicate publications by L.-R. Tulasne]; and the authorship of the type species, *H. lactifluorum*, and other species described in the protologue is variously attributed either to L.-R. Tulasne alone or to both Tulasne brothers. All of these problems stem from the indiscriminate use of the abbreviation 'Tul.' by the Tulasnes themselves, and by subsequent authors, to indicate authorship by either one or both of the brothers.

This publication combines evidence from the protologue and other literature published by the Tulasnes to establish the correct authorship of the genus and its 18 original species.

Authorship of the *Hypomyces* protologue

The name *Hypomyces* was raised to generic rank in Tulasne & Tulasne (1860). The title page of this paper cites the by-line: 'Par MM. Tulasne', indicating more than one Tulasne—the French honorific 'MM.' is an abbreviation for 'Messieurs', the plural of 'Monsieur' (abbreviation = 'M.'). Throughout the paper, and particularly in section II (in the French introduction and conclusion to the 6½ page Latin treatment of *Hypomyces*), the French first person plural pronoun 'nous' (= English 'we') is used repeatedly (see Table 1, bold entry). In the taxonomic treatments, fungal names attributable to the author(s) are indicated variously by '†', or 'Tul.', or 'Nob.'—the latter is an abbreviation of the Latin first person plural pronoun 'nobis' (= English '[according] to us').

However, a preliminary version of section I of Tulasne & Tulasne (1860) had been published several months previously in Comptes Rendus Hebdomadaires des Séances de l'Academie des Sciences de Paris (Tulasne 1860). This paper, by L.-R. Tulasne alone, provides some basis for speculation that Tulasne & Tulasne (1860) might also perhaps have been published by L.-R. Tulasne alone, with its

Table 1. Mycological papers published by the Tulasnes in Annales des Sciences Naturelles, Botanique, grouped and ordered according to the orthography of their by-lines. The French first person pronouns and the self-referring taxonomic author abbreviations/symbols used in each text are also indicated. The entry for the *Hypomyces* protologue paper (Tulasne & Tulasne 1860) is set in bold font; and an additional paper (Tulasne 1860), published in Comptes Rendus Hebdomadaires des Séances de l'Academie des Sciences de Paris, is included in italic font.

By-line orthography	Reference	Personal pronouns	Author abbreviations [1]
Papers by Louis-René Tulasne:			
L.R. Tulasne	Tulasne (1866)	[n.a.] [2]	Tul.
L.-R. Tulasne	Tulasne (1853c)	je / nous	†, N., Nob., Tul.
M. L.-R. Tulasne	Tulasne (1848)	je	—
M. L.-R. Tulasne	Tulasne (1851)	je	N.
M. L.-R. Tulasne	Tulasne (1852a)	je	†, Nob., Tul.
M. L.-R. Tulasne	Tulasne (1852b)	je	Tul.
M. L.-R. Tulasne	Tulasne (1853a)	je	—
M. L.-R. Tulasne	Tulasne (1853b)	je	†, N., Tul.
M. L.-R. Tulasne	Tulasne (1854)	je	†, Tul.
M. L.-R. Tulasne	Tulasne (1856a)	je / nous	Tul.
M. L.-R. Tulasne	Tulasne (1856b)	je	Tul.
M. L.-R. Tulasne	Tulasne (1857)	je	†
M. R.L. [sic] Tulasne	Tulasne (1865)	nous [3]	—
M. Tulasne	*Tulasne (1860)*	*je / nous* [3]	—
Papers by Louis-René & Charles Tulasne:			
L.R. et C. Tulasne	Tulasne & Tulasne (1841)	nous	N., Nob.
L.R. et Ch. Tulasne	Tulasne & Tulasne (1842a)	nous	—
L.-R. et Ch. Tulasne	Tulasne & Tulasne (1843)	nous	†, Nob.
L.-R. et Ch. Tulasne	Tulasne & Tulasne (1845a)	nous [4]	†, Tul.
MM. L.R. et C. Tulasne	Tulasne & Tulasne (1842b)	nous	—
MM. L.-R. et Ch. Tulasne	Tulasne & Tulasne (1844a)	nous	†, Nob.
MM. L.-R. et Ch. Tulasne	Tulasne & Tulasne (1844b)	nous	—
MM. L.-R. et Ch. Tulasne	Tulasne & Tulasne (1845b)	nous	†, Tul.
MM. L.-R. et Ch. Tulasne	Tulasne & Tulasne (1847)	nous	†, Nob.
MM. Tulasne	**Tulasne & Tulasne (1860)**	**nous**	**†, Nob., Tul.**
MM. Tulasne	Tulasne & Tulasne (1866)	nous	—
MM. Tulasne	Tulasne & Tulasne (1872)	nous	Tul.

[1] including the symbol '†'; and the abbreviations 'N.' or 'Nob.' (= Latin 'nobis').

[2] = not applicable (Latin text; no French).

[3] reporting activities undertaken jointly by the two brothers; e.g., "nous . . . mon frère et moi" (Tulasne 1860); "nous étions occupés de la rédaction de notre *Selecta Fungorum Carpologia*" (Tulasne 1865).

[4] in the French '*Obs.*' that follow the Latin text.

plural by-line honorific 'MM.' resulting from a typographic error, and its plural pronouns 'nous' and 'nob.' used as 'the editorial "we"' ('pluralis editorialis').

Linguistic evidence from Tulasne (1860)

The singular by-line of Tulasne (1860), 'Par M. Tulasne', indicates that the author was L.-R. Tulasne alone, but the text uses both singular and plural French pronouns, 'je' and 'nous' (see Table 1, italic entry). However, the context in which these pronouns are used suggests that 'je' represents the voice of the sole author making his presentation to the weekly Séance de l'Academie, whereas 'nous' refers to activities and ideas attributable jointly to the speaker and his brother (e.g., Tulasne 1860: 19, "nous . . . mon frère et moi"). Tulasne (1860) did not include any treatment of *Hypomyces*—that was first published in section II of Tulasne & Tulasne (1860).

Linguistic evidence from other Tulasne papers

Lindau & Sydow (1909) listed 25 mycological papers (including Tulasne & Tulasne 1860) published by one or both Tulasnes in the journal, Annales des Sciences Naturelles, Botanique. Two of these papers were written predominantly in Latin, and 23 predominantly in French. Table 1 gives an analysis of these papers, grouped and ordered according to the orthography of their by-lines.

French honorifics

Thirteen of the Annales papers had by-lines explicitly referring to L.-R. Tulasne alone; two of these by-lines did not include an honorific, and the other eleven included the singular honorific 'M.' Nine of the Annales papers had by-lines explicitly referring to both of the Tulasnes, four of them without an honorific and five with the plural honorific 'MM.' The remaining three papers (including Tulasne & Tulasne 1860) had the by-line 'MM. Tulasne', with the plural honorific indicating that they were written by both brothers.

French personal pronouns

All those Annales papers (including Tulasne & Tulasne 1860) with by-lines indicating joint publication by the two brothers consistently used the French first person plural pronoun 'nous' (Table 1, column 3). In contrast, all those Annales papers with by-lines indicating sole publication by L.-R. Tulasne used the French first person singular pronoun 'je' almost invariably; the very infrequent use of 'nous' in some of these papers can often be directly linked to contexts where the author was discussing activities undertaken jointly by the two brothers. It is clear that the Tulasnes used the French plural 'nous' literally and not as the editorial "we".

Symbols and abbreviations denoting taxonomic authorship

The Annales papers used up to four different symbols/abbreviations to indicate taxonomic authorship by the Tulasnes. However, these variants apparently distinguish different categories of names: the symbol '†' indicates a newly described taxon (as stated explicitly in Tulasne & Tulasne 1843: 373); the abbreviations 'N.' and 'Nob.' (both = 'nobis') indicate a newly published comb. nov.; and the abbreviation 'Tul.' is confined to previously published names. Since 'N.' and 'Nob.' were used in papers written by L.-R. Tulasne alone as well as in papers written by both brothers (Table 1, Column 4), and since the equivalent Latin singular pronoun 'mihi' was not used in any of the papers, it is clear that the Latin plural 'nobis' was used as the editorial "we" in the single author papers.

Discussion

Analysis of the 25 Annales papers written by the Tulasnes indicates that those written by L.-R. Tulasne alone frequently included the singular honorific 'M.' in the by-line, and almost invariably used the French singular pronoun 'je'; whereas those written by both brothers frequently included the plural honorific 'MM.' in the by-line, and invariably used the French plural pronoun 'nous'. On this evidence, the *Hypomyces* protologue paper, Tulasne & Tulasne (1860), is confirmed as having been written by both brothers.

The correct citations for the genus *Hypomyces* and its original species are listed here, with their currently accepted teleomorph and anamorph names set in bold type. *Hypomyces* names that the Tulasnes applied to anamorphic fungi are labelled: [nom. anam.]. There are separate entries for the authentic taxon *H. luteovirens* and for *"H. luteovirens"* sensu Tul. & C.Tul. The interrogation mark in *Hypomyces? melanostigma* is a verbatim transcription from the protologue. The prefix ≡ indicates a homotypic synonym; = a heterotypic synonym; and ?= a tentative heterotypic synonym.

Hypomyces (Fr.) Tul. & C.Tul., Ann. Sci. Nat., Bot., 4e Sér., 13: 11. 1860.
[Tulasne & Tulasne 1865: 38.]
≡ *Hypocrea* subgen. *Hypomyces* Fr., Syst. Orbis Veg. 1: 105. 1825.

Hypomyces armeniacus Tul. & C.Tul., Ann. Sci. Nat., Bot., 4e Sér., 13: 12. 1860.
[Tulasne & Tulasne 1865: 41, sub *Hypomyces ochraceus*.]
?= *Hypomyces ochraceus* (Pers.) Tul. & C.Tul., Select. Fung. Carpol. 3: 41. 1865.
[uncertain application, fide Rogerson & Samuels 1995: 846.]
anam.: *Acremonium verticillatum* Link : Fr., Ges. Naturf. Freunde Berlin Mag. 3: 15. 1809.
≡ *Mycogone verticillata* (Link : Fr.) Spreng., Syst. Veg. 4(1): 555. 1827.
≡ ***Cladobotryum verticillatum*** (Link : Fr.) S. Hughes, Can. J. Bot. 36: 750. 1958.
[fide Rogerson & Samuels 1995: 843.]

Hypomyces asterophorus Tul. & C.Tul., Ann. Sci. Nat., Bot., 4e Sér., 13: 14. 1860. [Tulasne & Tulasne 1865: 54.]
≡ *Pyxidiophora nyctalidis* Bref. & Tavel, Unters. Gesammtgeb. Mykol. 10: 189. 1891, nom. nov. superfl.
≡ ***Pyxidiophora asterophora*** (Tul. & C.Tul.) Lindau, Nat. Pflanzenfam. 1(1): 351. 1897.

anam.: *Polyscytalum fungorum* Sacc., Syll. Fung. 4: 336. 1886.
≡ ***Chalara brefeldii*** Lindau, Rabenh. Krypt.-Fl. Ed. 2, 1(8): 750. 1906 [‘1907’], nom. nov. [fide Lindqvist 1980: 136.]

Hypomyces aurantius (Pers. : Fr.) Tul. & C.Tul., Ann. Sci. Nat., Bot., 4e Sér., 13: 12. 1860. [Tulasne & Tulasne 1865: 43, in comments sub *Hypomyces ochraceus*.]
≡ *Sphaeria aurantia* Pers. : Fr., Icon. Descr. Fung. 2: 45. 1800.
≡ *Nectria aurantia* (Pers. : Fr.) Fr., Sum. Veg. Scand.: 388. 1849.
≡ *Bonordenia aurantia* (Pers. : Fr.) Schulzer, Verh. K. K. Zool.-Bot. Ges. Wien 16: 58. 1866.
≡ *Hypolyssus aurantius* (Pers. : Fr.) Kuntze, Revis. Gen. Pl. 3(3): 488. 1898.

anam.: ***Cladobotryum varium*** Nees : Fr., Syst. Pilze: 56. 1816–17. [fide Rogerson & Samuels 1993: 245.]
≡ *Dactylium macrosporum* [?subsp.] *varium* (Nees : Fr.) Fr., Syst. Mycol. 3(2): 414. 1832, as ‘*D. macrosporum* * *D. varium*’.
≡ *Dactylium varium* (Nees : Fr.) Fr., Syst. Mycol. 3(Index): 81. 1832.

Hypomyces australis (Mont.) Tul. & C.Tul., Ann. Sci. Nat., Bot., 4e Sér., 13: 12. 1860.
≡ *Nectria australis* Mont., in Gay, Hist. Fis. Pol. Chile 7: 455. 1854.
≡ *Byssonectria australis* (Mont.) Berk. & Broome, Grevillea 12: 109. 1884.
≡ *Cucurbitaria australis* (Mont.) Kuntze, Revis. Gen. Pl. 3(3): 460. 1898.

anam.: ***Cladobotryum* sp.** [fide Rogerson & Samuels 1993: 247.]

Hypomyces baryanus Tul. & C.Tul., Ann. Sci. Nat., Bot., 4e Sér., 13: 13. 1860. [nom. anam.] [Tulasne & Tulasne 1865: 59.]
≡ *Hypolyssus baryanus* (Tul. & C.Tul.) Kuntze, Revis. Gen. Pl. 3(3): 488. 1898.
≡ ***Ugola baryana*** (Tul. & C.Tul.) Redhead & Seifert, Taxon 50(1): 250. 2001 [‘2000’].

teleom.: *Agaricus parasiticus* Bull. ex Pers. : Fr., Syn. Meth. Fung.: 371. 1801.
≡ *Nyctalis parasitica* (Bull. ex Pers. : Fr.) Fr., Epicr. Syst. Mycol.: 372. 1838.
≡ ***Asterophora parasitica*** (Bull. ex Pers. : Fr.) Singer, Lilloa 22: 171. 1951 [‘1949’].

Hypomyces cervinus Tul. & C.Tul., Ann. Sci. Nat., Bot., 4e Sér., 13: 16. 1860. [nom. anam.] [Tulasne & Tulasne 1865: 51.]
≡ *Hypolyssus cervinus* (Tul. & C.Tul.) Kuntze, Revis. Gen. Pl. 3(3): 488. 1898.

= ***Mycogone cervina*** Ditmar : Fr., Deutschl. Fl., 3. Abt., 1(4): 107. 1817. [fide Saccardo 1883: 477.]
≡ *Sepedonium cervinum* (Ditmar : Fr.) Fr., Syst. Mycol. 3(2): 439. 1832.
≡ *Mycobanche cervina* (Ditmar : Fr.) Wallr., Fl. Crypt. Germ. 2: 273. 1833.

teleom.: ***Hypomyces cervinigenus*** Rogerson & Simms, Mycologia 63: 418. 1971.

Hypomyces chlorinus Tul. & C.Tul., Ann. Sci. Nat., Bot., 4e Sér., 13: 13. 1860. [nom. anam.] [Tulasne & Tulasne 1865: 59.]
≡ *Hypolyssus chlorinus* (Tul. & C.Tul.) Kuntze, Revis. Gen. Pl. 3(3): 488. 1898.
≡ ***Sepedonium chlorinum*** (Tul. & C.Tul.) Damon, Mycologia 44: 95. 1952.
≡ *Leiosepium chlorinum* (Tul. & C.Tul.) A.Fontana, Allionia 9: 135. 1963, as '*Lejosepium*'.
teleom.: ***Hypomyces chlorinigenus*** Rogerson & Samuels, Mycologia 81: 423. 1989.

Hypomyces chrysospermus Tul. & C.Tul., Ann. Sci. Nat., Bot., 4e Sér., 13: 16. 1860. [Tulasne & Tulasne 1865: 49.]
≡ *Hypolyssus chrysospermus* (Tul. & C.Tul.) Kuntze, Revis. Gen. Pl. 3(3): 488. 1898.
≡ *Apiocrea chrysosperma* (Tul. & C.Tul.) Syd. & P.Syd., Ann. Mycol. 18: 187. 1921 ['1920'].
anam.: *Reticularia chrysosperma* Bull. : Fr., Herb. France 10: t.476 f.4. 1790.
≡ *Mucor chrysospermus* (Bull. : Fr.) Bull., Hist. Champ. France 1: 99. 1791.
≡ *Mycobanche chrysosperma* (Bull. : Fr.) Pers., Traité Champ. Comest.: 133. 1818.
≡ ***Sepedonium chrysospermum*** (Bull. : Fr.) Fr., Syst. Mycol. 3(2): 438. 1832. [fide Rogerson & Samuels 1989: 428.]

Hypomyces hyalinus (Schwein. : Fr.) Tul. & C.Tul., Ann. Sci. Nat., Bot., 4e Sér., 13: 11. 1860. [Tulasne & Tulasne 1865: 63, as *Sphaeria hyalina*, in comments sub *Hypomyces lateritius*.]
≡ *Sphaeria hyalina* Schwein. : Fr., Schrift. Naturf. Ges. Leipzig 1: 30. 1822.
≡ *Hypocrea hyalina* (Schwein. : Fr.) Fr., Sum. Veg. Scand.: 383. 1849.
≡ *Peckiella hyalina* (Schwein. : Fr.) Sacc., Syll. Fung. 9: 945. 1891.
≡ *Hypolyssus hyalinus* (Schwein. : Fr.) Kuntze, Revis. Gen. Pl. 3(3): 488. 1898.
≡ *Apiocrea hyalina* (Schwein. : Fr.) Syd. & P.Syd., Ann. Mycol. 18: 187. 1921 ['1920'].

Hypomyces lactifluorum (Schwein. : Fr.) Tul. & C.Tul., Ann. Sci. Nat., Bot., 4e Sér., 13: 11. 1860. [type species; Seaver 1910: 71]
[Tulasne & Tulasne 1865: 63, in comments sub *Hypomyces lateritius*.]
≡ *Sphaeria lactifluorum* Schwein. : Fr., Schrift. Naturf. Ges. Leipzig 1: 30. 1822.
≡ *Hypolyssus lactifluorum* (Schwein. : Fr.) Kuntze, Revis. Gen. Pl. 3(3): 488. 1898.

Hypomyces lateritius (Fr. : Fr.) Tul. & C.Tul., Ann. Sci. Nat., Bot., 4e Sér., 13: 11. 1860. [Tulasne & Tulasne 1865: 62.]
≡ *Sphaeria lateritia* Fr. : Fr., Mykologische Hefte 2: 42. 1823.
≡ *Hypocrea lateritia* (Fr. : Fr.) Fr., Sum. Veg. Scand.: 383. 1849.
≡ *Peckiella lateritia* (Fr. : Fr.) Maire, Ann. Mycol. 4: 331. 1906.
≡ *Byssonectria lateritia* (Fr. : Fr.) Petch, J. Bot. 75: 220. 1937.
anam.: ***Acremonium tulasnei*** G.R.W.Arnold, Nov. Sist. Niz. Rast. 8: 129. 1971.
≡ *Cladobotryum tulasnei* (G.R.W.Arnold) Helfer, Libri Bot. 1: 36. 1991.

Hypomyces linkii Tul. & C.Tul., Ann. Sci. Nat., Bot., 4e Sér., 13: 16. 1860. [nom. anam.] [Tulasne & Tulasne 1865: 44.]
≡ *Hypolyssus linkii* (Tul. & C.Tul.) Kuntze, Revis. Gen. Pl. 3(3): 488. 1898.
= ***Mycogone rosea*** Link : Fr., Ges. Naturf. Freunde Berlin Mag. 3: 18. 1809. [fide Saccardo 1883: 477.]

≡ *Mycogone incarnata* var. *rosea* (Link) Pers., Mycol. Eur. 1: 26. 1822.
≡ *Sepedonium roseum* (Link : Fr.) Fr., Syst. Mycol. 3(2): 438. 1832.
≡ *Mycobanche rosea* (Link : Fr.) Wallr., Fl. Crypt. Germ. 2: 273. 1833.

Hypomyces luteovirens (Fr. : Fr.) Tul. & C.Tul., Ann. Sci. Nat., Bot., 4e Sér., 13: 13. 1860. [agaricicolous; non sensu Tul. & C.Tul. (= *Hypomyces tulasneanus*)]
≡ *Sphaeria luteovirens* Fr. : Fr., Kongl. Vetensk. Acad. Handl. 38: 251. 1817.
≡ *Hypocrea luteovirens* (Fr. : Fr.) Fr., Sum. Veg. Scand.: 383. 1849.
≡ *Peckiella luteovirens* (Fr. : Fr.) Maire, Ann. Mycol. 9: 318. 1911.
≡ *Byssonectria luteovirens* (Fr. : Fr.) Z.Moravec, Česká Mykol. 10: 87. 1956.

"Hypomyces luteovirens" sensu Tul. & C.Tul., Ann. Sci. Nat., Bot., 4e Sér., 13: 13. 1860. [boleticolous] [Tulasne & Tulasne 1865: 57.]
= ***Hypomyces tulasneanus*** Plowr., Grevillea 11: 46. 1882.
≡ *Peckiella tulasneana* (Plowr.) Sacc., Syll. Fung. 9: 944. 1891.
≡ *Hypolyssus tulasneanus* (Plowr.) Kuntze, Revis. Gen. Pl. 3(3): 488. 1898.
≡ *Apiocrea tulasneana* (Plowr.) Syd. & P.Syd., Ann. Mycol. 18: 187. 1921 ['1920'].
anam.: ***Sepedonium tulasneanum*** Sacc., Syll. Fung. 4: 148. 1886. [fide Rogerson & Samuels 1989: 430.]
≡ *Leiosepium tulasneanum* (Sacc.) G.R.W.Arnold, Westfäl. Pilzbriefe 7(5): 81. 1969, as '*Lejosepium*'.

Hypomyces? melanostigma Tul. & C.Tul., Ann. Sci. Nat., Bot., 4e Sér., 13: 17. 1860. [Tulasne & Tulasne 1865: 56, in comments sub *Hypomyces asterophorus*.]
≡ *Hypolyssus melanostigma* (Tul. & C.Tul.) Kuntze, Revis. Gen. Pl. 3(3): 488. 1898.
?= ***Hypomyces asterophorus*** Tul. & C.Tul., Ann. Sci. Nat., Bot., 4e Sér., 13: 14. 1860. [fide Saccardo 1883: 467.]

Hypomyces pezizae (Corda) Tul. & C.Tul., Ann. Sci. Nat., Bot., 4e Sér., 13: 16. 1860. [nom. anam.] [Tulasne & Tulasne 1865: 52.]
≡ *Asterophora pezizae* Corda, Icon. Fung. 6: 3. 1854.
= ***Stephanoma strigosum*** Wallr., Fl. Crypt. Germ. 2: 269. 1833. [fide Rogerson & Samuels 1985: 775.]
teleom.: ***Hypomyces stephanomatis*** Rogerson & Samuels, Mycologia 77: 775. 1985.

Hypomyces rosellus (Alb. & Schwein. : Fr.) Tul. & C.Tul., Ann. Sci. Nat., Bot., 4e Sér., 13: 12. 1860. [Tulasne & Tulasne 1865: 45.]
≡ *Sphaeria rosella* Alb. & Schwein. : Fr., Consp. Fung. Lusat.: 35. 1805.
≡ *Nectria rosella* (Alb. & Schwein. : Fr.) Fr., Summa Veg. Scand.: 388. 1849.
anam.: *Mucor dendroides* ***Bull. : Fr., Hist. Champ. France 1: 105. 1791.***
≡ *Botrytis dendroides* (Bull. : Fr.) DC., Fl. Franç. 2: 70. 1805.
≡ *Dactylium dendroides* (Bull. : Fr.) Fr., Syst. Mycol. 3(2): 414. 1832.
≡ ***Cladobotryum dendroides*** (Bull. : Fr.) W.Gams & Hooz., Persoonia 6: 103. 1970. [fide Rogerson & Samuels 1993: 258.]

Hypomyces ternatus Tul. & C.Tul., Ann. Sci. Nat., Bot., 4e Sér., 13: 16. 1860. [Tulasne & Tulasne 1865: 47, in comments sub *Hypomyces rosellus*.]
?= ***Hypomyces aurantius*** (Pers. : Fr.) Tul. & C.Tul., Ann. Sci. Nat., Bot., 4e Sér., 13: 12. 1860.

anam.: *Cladotrichum ternatum* ***Bonord., Handb.: 78, 1851.***
≡ *Didymocladium ternatum* (Bonord.) Sacc., Syll. Fung. 4: 187. 1886.
?= ***Cladobotryum varium*** Nees : Fr., Syst. Pilze: 56. 1816–17.
[fide Gams & Hoozemans 1970: 100.]

Hypomyces violaceus (J.C.Schmidt ex Fr. : Fr.) Tul. & C.Tul., Ann. Sci. Nat., Bot., 4e Sér., 13: 14. 1860. [Tulasne & Tulasne 1865: 60.]
≡ *Sphaeria violacea* J.C.Schmidt ex Fr. : Fr., Syst. Mycol. 2(2): 441. 1823.
≡ *Nectria violacea* (J.C. Schmidt ex Fr. : Fr.) Fr., Summa Veg. Scand.: 388. 1849.
≡ *Peckiella violacea* (J.C. Schmidt ex Fr. : Fr.) Sacc., Syll. Fung. 9: 945. 1891.
≡ *Hypolyssus violaceus* (J.C. Schmidt ex Fr. : Fr.) Kuntze, Revis. Gen. Pl. 3(3): 488. 1898.
≡ *Byssonectria violacea* (J.C. Schmidt ex Fr. : Fr.) Seaver, Mycologia 2(2): 65. 1910.
≡ ***Nectriopsis violacea*** (J.C.Schmidt ex Fr. : Fr.) Maire, Ann. Mycol. 9: 323. 1911.
≡ *Hyphonectria violacea* (J.C. Schmidt ex Fr. : Fr.) Petch, J. Bot. 75: 220. 1937.
anam.: *Diplosporium album* **var.** *fungicola* Sacc., Syll. Fung. 4: 178. 1886.
≡ ***Acremonium fungicola*** (Sacc.) Samuels, Mycologia 65: 404. 1973.

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